

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Previously presented) A computerized method of generating a data mining model, the method comprising:

automatically selecting a set of algorithms based on objectives for the data mining model, the selecting including:

selecting a rule from a best practices database based on an objective for the data mining model; and

determining at least one of: an algorithm or a tuning parameter for an algorithm using the rule;

creating a plurality of datasets from sample data, each dataset including a unique subset of the sample data;

optimizing the set of algorithms using the plurality of datasets; and

generating the data mining model based on the optimized set of algorithms, wherein the data mining model mines data when executed.

2. (Previously presented) The method of claim 1, wherein the creating includes:

shuffling the sample data, the shuffling including changing an order of entries in the sample data in a random fashion;

placing the shuffled sample data into a plurality of partitions, each partition including a unique subset of the shuffled sample data; and

including each partition in one of the plurality of datasets.

3. (Original) The method of claim 2, wherein the plurality of datasets includes a training dataset, a validation dataset, and a testing dataset.

4. (Previously presented) The method of claim 3, wherein the creating further includes repeating the including to create multiple permutations of the plurality of datasets, wherein each partition is included in the training dataset for at least one permutation.

5. (Canceled)

6. (Previously presented) The method of claim 1, wherein the best practice is based on at least one of: research, data characteristics, or user feedback.

7. (Previously presented) The method of claim 1, wherein the selecting includes analyzing an attribute of the sample data, and wherein the set of algorithms is further selected based on the attribute.

8. (Previously presented) The method of claim 1, wherein the optimizing includes:

applying the set of algorithms to the plurality of datasets; and

analyzing a set of results for the applying.

9. (Previously presented) The method of claim 8, wherein the optimizing further includes:

adjusting at least one algorithm based on the set of results; and

applying the adjusted set of algorithms to the plurality of datasets.

10. (Previously presented) The method of claim 1, wherein the generating includes translating the optimized set of algorithms into a set of standard query language (SQL) statements, and including the set of SQL statements in the data mining model.

11. (Original) The method of claim 1, further comprising storing the data mining model as a character large object (CLOB) in a database.

Claims 12-24 (Canceled)

25. (Previously presented) The method of claim 2, wherein the shuffling includes:

adding a fold data item to each entry;

generating a random number for the fold data item for each entry; and

resorting the entries based on the fold data items.